**MICROCONTROLLERS**

**Work sheet 2– Mod 2**

1. What clues would you look for to figure out whether or not an appliance contains a microcontroller?

2. Let’s say you want to take a break from your BASIC Stamp project to go get a

snack, or maybe you want to take a longer break and return to the project in a

couple days. What should you always do before you take your break?

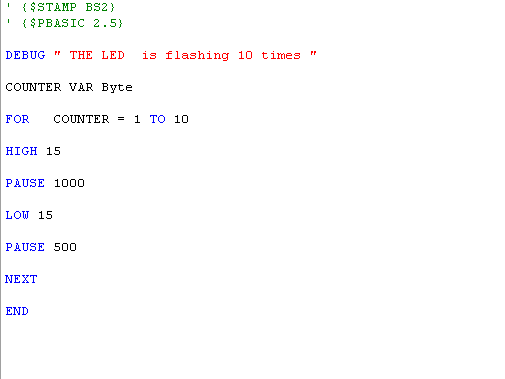
3. What is a LED ? Draw the schematic symbol.

4. 1 second is \_\_\_\_\_\_\_\_\_\_\_\_ 1000 milliseconds.

5. State the difference between DO … LOOP and FOR …. NEXT LOOP.

6. State any two rules for choosing a variable.

II. From the following programme, answer the questions.



1. How can you change the above program to a continuous loop?
2. Modify the program for the LED to flash 500 times.

III. Match the following:

|  |  |
| --- | --- |
| 470 Ω |  |
| LED |  |
|  |  |
| Push button |  |
| Servo Motor |  |
| 10 kΩ |  |

Choose the correct answer.

1. Byte is a variable can have a range of values
2. 0 - 250
3. 0 – 255
4. 0 – 65535
5. 0 – 5000
6. 0 - 15
7. A LED will flash 4 times in a second, if you give a command
8. PAUSE 250
9. LOOP 500
10. PAUSE 125
11. DEBUG 1000
12. PAUSE 1000
13. Which One of the following is **NOT** a PBASIC command?
14. DEBUG
15. FIRST
16. PAUSE
17. IN
18. FOR